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# DECLARATION, POWER OF ATTORNEY, AND PETITION

We, Fernando Gonzalez, Tyler A. Lowrey, Trung Tri Doan, Raymond A. Turi, and Graham R. Wolstenholme, declare: that we are citizens of the United States of America, and the United Kingdom, respectively; that our residences and post office addresses are 2579 South Flotilla Ave., Boise, Idaho, 83706, 2599 E. Plateau Drive, Boise, Idaho 83712, 1574 Shenandoah Road, Boise, Idaho 83712, 11364 W. Dallan Court, Boise, Idaho 83704, and 2945 East Rivernest Court, Boise, Idaho 83706, respectively; that we verily believe we are the original, first, and joint inventors of the subject matter of the invention or discovery entitled Novel Vertical Diode Structures with Low Series Resistance, for which a patent is sought and which is described and claimed in the specification attached hereto; that we have reviewed and understand the contents of the above-identified specification, including the claims referred to, and that we acknowledge the duty to disclose information which is material to the examination of this application in accordance with Section 1.56(a) of Title 37 of the Code of Federal Regulations.

We declare further that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful, false statements may jeopardize the validity of the application or any patent issuing thereon.

We hereby appoint as our attorneys and/or patent agents: H. ROSS WORKMAN, Registration No. 25,230; RICK D. NYDEGGER, Registration No. 28,651; DAVID O. SEELEY, Registration No. 30,148; KENT S. BURNINGHAM, Registration No. 30,453; TODD E. ZENGER, Registration No. 33,610; JONATHAN W. RICHARDS, Registration No. 29,843; MICHAEL F. KRIEGER, Registration No. 35,232; BRADLEY K. DeSANDRO, Registration No. 34,521; JOHN M. GUYNN, Registration No. 36,153; DANA L. TANGREN, Registration No. 37,246; ERIC L. MASCHOFF, Registration No. 36,596; GREGORY M. TAYLOR, Registration No. 34,263; KEVIN B. LAURENCE, Registration No. 38,219; BRIAN C. KUNZLER, Registration No. 38,527; JEFFREY L. RANCK, Registration No. 38,590; LENA I. VINITSKAYA, Registration No. 39,448; SUSAN K. MORRIS, Registration No. P-39,780; JONATHAN D. WOOD, Registration No. 38,076; and ROBYN L. PHILLIPS, Registration No. 39,330; BRYAN FARNEY, Registration No. 32,651; MICHAEL L. LYNCH, Registration No. 30,871; LIA M. PAPPAS, Registration No. 34,095; AND MICHAEL L. LYNCH, Registration No. 30,871, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith. All correspondence and telephonic communications should be directed to:

BRADLEY K. DESANDRO
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery

described and claimed in the foregoing specification and claims, declaration, power of attorney, and this petition.

Signed at	Jorze, Ida	aho, this 16 day of February, 1996
	Inventor:	Fernando Gonzalez 2579 South Flotilla Ave. Boise, Idaho 83706
Signed at	, S∉, Idal	ho, this <u>n</u> day of <u>Fenuar</u> , 1996
	Inventor:	Tyler A. Lowrey
		2599 E. Plateau Drive Boise, Idaho 83712
Signed at	Inventor:	no, this <u>2+</u> day of <u>feb</u> , 1996  Trung Tri Doan
per e		1574 Shenandoah Road Boise, Idaho 83712
Signed at <u>BC</u>	rise Idal	no, this <u>16</u> day of <u>FEBRUARY</u> , 1996.
	Inventor:	Raymond A. Turi 11364 W. Dallan Court Boise, Idaho 83704
Signed at <u>Boiss</u>	L, Idah	o, this 27 day of FEGRUARY, 1996.
	Inventor:	Graham R. Wolstenholme 2945 East Rivernest Court Boise, Idaho 83706

PATENT APPLICATION Docket: 11675.22.2.1

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:		
	Gonzalez et al.	)
Serial No.:	Not Yet Assigned	)
Filed:	February 16, 2000	)
For:	METHOD OF MAKING VERTICAL DIODE STRUCTURES	)

#### ASSOCIATE POWER OF ATTORNEY

The Honorable Commissioner of Patents and Trademarks
Washington, D. C. 20231

Sir:

Please recognize CHARLES L. ROBERTS, Reg. No. 32,434; ERIC L. MASCHOFF, Reg. No. 36,596; RICHARD C. GILMORE, Reg. No. 37,335; DAVID L. GRIFFIN, Reg. No. P-44,136; R. BURNS ISRAELSEN, Registration No. 42,685; DAVID R. TODD, Reg. No. 41,348; JESÚS JUANÓS i TIMONEDA, Reg. No. 43,332; STEPHEN D. PRODNUK, Reg. No. 43,020, R. PARRISH FREEMAN, Jr., Reg. No. 42,556, PETER F. MALEN, Jr., Reg. No. P45,576; ADRIAN J. LEE, Reg. No. 42,785; KYLE H. FLINDT, Reg. No. 42,539; and ERIC M. KAMERATH, Reg. No. P46-081 as associate attorneys for me in the above-entitled application. Please address all future written and telephonic communications to:

BRADLEY K. DeSANDRO
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple

Salt Lake City, Utah 84111 Telephone: (801) 533-9800

Facsimile: (801) 328-1707

Dated this 16 day of February 2000.

Respectfully submitted,

BRADLEY R. DeSANDRO

Attorney for Applicant Registration No. 34,521

WORKMAN, NYDEGGER & SEELEY 1000 Eagle Gate Tower

60 East South Temple Salt Lake City, Utah 84111

Telephone: (801) 533-9800 Facsimile: (801) 328-1707

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WHEN RECORDED RETURN TO:

PATENT APPLICATION Docket No: 11675.22

Workman, Nydegger & Seeley 1000 Eagle Gate Tower 60 East South Temple Salt Lake City, Utah 84111

#### **ASSIGNMENT**

We, and Fernando Gonzalez, Tyler A. Lowrey, Trung Tri Doan, Raymond A. Turi, and Graham R. Wolstenholme, of 2579 South Flotilla Ave., Boise, Idaho, 83706, 2599 E. Plateau-Drive, Boise, Idaho 83712, 1574 Shenandoah Road, Boise, Idaho 83712, 11364 W. Dallan Court, Boise, Idaho 83704, and 2945 East Rivernest Court, Boise, Idaho 83706, respectively, have invented a method entitled Novel Vertical Diode Structures with Low Series Resistance, hereinafter called the "invention."

Preferred embodiments of said invention are disclosed in a United States patent application executed concurrently herewith by us and now identified as File No. 11675.22 of the law firm of Workman, Nydegger & Seeley, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 08/609, 505 and filed in the United States Patent and Trademark Office as Serial No. \_\_\_\_\_\_\_ on \_\_\_\_\_\_ on \_\_\_\_\_\_\_ on \_\_\_\_\_\_\_ March 1, 1996 \_\_\_\_\_\_. (We hereby authorize the attorneys of Workman, Nydegger & Seeley to insert said serial number and filing date when known.)

The Assignee, Micron Technology, Inc., a corporation of the State of Idaho, having a principal place of business at 8000 S. Federal Way, P. O. Box 6, Boise, Idaho 83707-0006, desires to secure the entire right, title and interest in said invention.

For good and valuable consideration paid to us by the Assignee, the receipt and sufficiency of which we hereby acknowledge, WE HEREBY ASSIGN TO THE ASSIGNEE:

The entire right, title and interest in said invention in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of Letters Patent or Patents granted thereon, and in all corresponding applications filed in countries foreign to the United States, and in all patents issuing thereon in the United States and foreign countries.

The right to file foreign patent applications on said invention in its own name, wherever such right may be legally exercised, including the right to claim the benefits of the International Convention for such applications.

We hereby authorize and request the United States Commissioner of Patents and Trademarks, and such Patent Office officials in foreign countries as are duly authorized by their patent laws to issue patents, to issue any and all patents on said invention to the Assignee as the owner of the entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

We hereby agree, without further consideration and without expense to us, to sign all lawful papers and to perform all other lawful acts which the Assignee may request of us to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States and foreign patent applications on said invention, and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of our ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said invention.

	hall be binding upon our heirs and legal representatives.
Dated this 16 day of Fel	, 1996.
	Fernando Gonzalez
STATE OF IDAHO )	remando Gonzalez
COUNTY OF <u>ada</u> ):s	SS.
and acknowledged under oath before me t	6, before me personally appeared Fernando Gonzalez d who signed the foregoing Assignment in my presence that he had read the same and know the contents thereof act and deed and for the purposes set forth therein.    Deany Schuldon   NOTARY PUBLIC   Residing at Miridan   ON Contents thereof   Notary Public   Notary Public   Residing at Miridan   ON Contents   ON Co
STATE OF IDAHO	Tyler A. Lowrey
COUNTY OF <u>adau</u> ): so	S.
acknowledged under oath before me that h	before me personally appeared Tyler A. Lowrey, known is signed the foregoing Assignment in my presence and the had read the same and know the contents thereof and ad deed and for the purposes set forth therein.
My Carmaission Expirest	Deanne Schildan  NOTARY PUBLIC  Residing at Meridian, ID

ELICATE OF DAY

	- Infollow
CM A MP ON TO	Trung Tri Doan
STATE OF IDAHO	)
COUNTY OF <u>Ada</u>	) : ss. )
acknowledged under oath before me	1996, before me personally appeared Trung Tri Doan, known d who signed the foregoing Assignment in my presence and that he had read the same and know the contents thereof and act and deed and for the purposes set forth therein.
	I tou Murahil
	NOTARY PUBLIC
	Residing at Boise, 12
My Commission Expires: 6-12-98	
STATE OF IDAHO	Raymond A. Turi
county of <u>ada</u>	) : ss. )
and acknowledged under oath before	1996, before me personally appeared Raymond A. Turi, and and who signed the foregoing Assignment in my presence me that he had read the same and know the contents thereof free act and deed and for the purposes set forth therein.    Dearly Schilder   NOTARY PUBLIC   Residing at Miridian   10

	ChlhobTenholne
STATE OF IDAHO	Graham R. Wolstenholme
COUNTY OF <u>Ada</u>	) : ss. )
in my presence and acknowledge	1996, before me personally appeared Graham Re the person described and who signed the foregoing Assignmented under oath before me that he had read the same and know the sted the same as his free act and deed and for the purposes set forth
My Commission Expired Only	Deane Schildan  NOTARY PUBLIC  Residing at Milidian, IP

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